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D<sub>1</sub> 20. (Amended) A method of producing linear  $\alpha$ -1,4 glucans comprising using a protein having the enzymatic activity of an amylosucrase that is coded for by a DNA sequence obtainable by a process comprising the following steps:

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- (a) preparing a genomic or a cDNA library;
  - (b) transforming a suitable host cell with the library constructed according to (a);
  - (c) subjecting the transformed cells to iodine vapor in the presence of sucrose;
  - (d) identifying the cells that are stained blue;
  - (e) isolating and cultivating the cells identified in step (d);
  - (f) isolating the genomic DNA insert or the cDNA insert from the transformed cell; and
  - (g) verifying that the protein encoded by the isolated genomic or cDNA molecule has amylosucrase activity.

21. (Amended) A method of producing fructose comprising using a protein having the enzymatic activity of an amylosucrase that is coded for by a DNA sequence obtainable by a process comprising the following steps:

- (a) preparing a genomic or a cDNA library;
- (b) transforming a suitable host cell with the library constructed according to (a);
- (c) subjecting the transformed cells to iodine vapor in the presence of sucrose;
- (d) identifying the cells that are stained blue;

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- (e) isolating and cultivating the cells identified in step (d);
  - (f) isolating the genomic DNA insert or the cDNA insert from the transformed cell; and
  - (g) verifying that the protein encoded by the isolated genomic or cDNA molecule has amylosucrase activity.

### REMARKS

#### In the Claims

Applicants have amended claims 20 and 21 to convert them from use claims into method claims. Support for the amendments may be found in the claims as filed. The amendments add no new matter. Their entry is requested.

#### The Restriction Requirement

The Examiner states that claims 2, 8 and 19-46 stand subject to restriction under 35 U.S.C. § 121. Specifically, the Examiner states that there are seven groups of inventions. Applicants note that, the Examiner has mis-numbered Groups II-VI and reversed the descriptions of the subject matter included in Groups I and II. Applicants list below the following seven inventions as recited by the Examiner, except that the descriptions of Groups I and II and the numbering of groups have been corrected:

- I. Claims 2, 24, 25 and 28-32, drawn to an isolated polynucleotide and plant host cell;
- II. Claims 2, 24, 26, 27, 31 and 32, drawn to an isolated polynucleotide and microbial host cell;
- III. Claims 8 and 42-45, drawn to an amylosucrase polypeptide;